FORM PTO-1449  
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
0942.4800002/RWE/ALSAPPLICATION NO.  
09/829,066APPLICANT  
Nisson et al.FILING DATE  
April 10, 2001GROUP  
1634

JUL 22 2002

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W	AA1	4,683,202	07/28/1987	Mullis, K.B.	435	91	10/25/1985
	AB1	4,767,699	08/30/1988	Vary, C.P.H. et al.	435	6	05/02/1985
	AC1	4,800,159	01/24/1989	Mullis, K.B. et al.	435	172.3	12/17/1986
	AD1	5,165,925	11/24/1992	Leong, J.C.	424	88	05/02/1989
	AE1	5,187,085	02/16/1993	Lee, L.G.	435	91	09/28/1990
	AF1	5,350,672	09/27/1994	Oberst, R.D. et al.	435	6	01/22/1993
	AG1	5,484,702	01/16/1996	Ludwig, L.B.	435	6	01/27/1994
	AH1	5,500,356	03/19/1996	Li, W.-B. et al.	435	91.1	08/10/1993
	AI1	5,545,540	08/13/1996	Mian, A.	435	91.2	01/19/1995
	AJ1	5,759,778	06/02/1998	Li, W.-B. et al.	435	6	09/08/1995
	AK1	5,871,929	02/16/1999	Barnes, W.M.	435	6	07/23/1997

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
W	AL1	WO 95/20682	08/03/1995	WIPO			Yes No
	AM1	DE 44 11 588 C1	09/28/1995	Germany			Yes X No
	AN1	DE 44 11 594 C1	12/14/1995	Germany			Yes X No
	AO1	EP 0 821 059 A2	01/28/1998	Europe			Yes No
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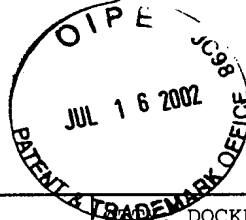
## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	1	
	AS	1	
W	AT	1	Aslanyan, V.M. et al., "Conformation and Thermal Stability of DNA in Aqueous Solutions of $\beta$ -Alanine and $\gamma$ -Aminobutyric Acid," Biophysics 29:615-620, Pergamon Press Ltd. (1984).

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	TRADE DOCKET NO. 0942.4800002/RWE/ALS	APPLICATION NO. 09/829,066
	APPLICANT Nissan et al.	
	FILING DATE April 10, 2001	
	GR 1656 TECH CENTER 1600/2900	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
u	AA2	6,013,488	01/11/2000	Hayashizaki, Y.	435	91.51	07/23/1997
u	AB2	6,268,133 B1	07/31/2001	Nissan, P.E. et al.	435	6	06/24/1998
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FOREIGN PATENT DOCUMENTS

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	AM						Yes No
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

u	AR	2	Baskaran, N. et al., "Uniform Amplification of a Mixture of Deoxyribonucleic Acids with Varying GC Content," <i>Genome Res.</i> 6:633-638, Cold Spring Harbor Laboratory Press (July 1996).
↓	AS	2	Buche, A. et al., "Organic Osmotic Effectors and Chromatin Structure," <i>J. Biomol. Struct. &amp; Dynam.</i> 8:601-618, Adenine Press (1990).
↓	AT	2	Buche, A. et al., "Glycine and other amino compounds prevent chromatin precipitation at physiological ionic strength," <i>FEBS Lett.</i> 247:367-370, Federation of European Biochemical Societies and Elsevier Science Publishers B.V. (Biomedical Division) (1989).

EXAMINER	<i>u</i>	DATE CONSIDERED	8/23/2002
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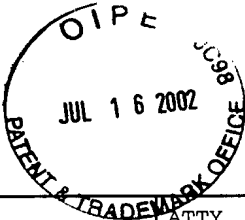
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FORM PTO-1449		INFORMATION DISCLOSURE STATEMENT		PATENT DOCKET NO. 0942.4800002/RWE/ALS		APPLICATION NO. 09/829 US	
				APPLICANT Nisson et al.		JUL 22 2002	
				FILING DATE April 10, 2001		GROUP 1658	
U.S. PATENT DOCUMENTS							
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	AN				Yes No		
	AO				Yes No		
	AP				Yes No		
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	3	Buche, A. et al., "Effect of Organic Effectors on Chromatin Solubility, DNA-Histone H1 Interactions, DNA and Histone H1 Structures," <i>J. Biomol. Struct. &amp; Dynam.</i> 11:95-119, Adenine Press (1993).				
	AS	3	Cánovas, D. et al., "Osmoprotectants in <i>Halomonas elongata</i> : High-Affinity Betaine Transport System and Choline-Betaine Pathway," <i>J. Bacteriol.</i> 178:7221-7226, American Society for Microbiology (December 1996).				
	AT	3	Cánovas, D. et al., "Isolation and Characterization of Salt-sensitive Mutants of the Moderate Halophile <i>Halomonas elongata</i> and Cloning of the Ectoine Synthesis Genes," <i>J. Biol. Chem.</i> 272:25794-25801, The American Society for Biochemistry and Molecular Biology, Inc. (October 1997).				
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FORM PTO-1449		ATTY. DOCKET NO. 0942.4800002/RWE/ALS		APPLICATION NO. 09/829106	
INFORMATION DISCLOSURE STATEMENT		APPLICANT Nisson et al.		JUL 2 2 2002	
		FILING DATE April 10, 2001		GROUP 1656 1634	
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)					
u	AR	4	Carninci, P. et al., "Thermostabilization and thermoactivation of thermolabile enzymes by trehalose and its application for the synthesis of full length cDNA," <i>Proc. Natl. Acad. Sci. USA</i> 95:520-524, The National Academy of Sciences (January 1998).		
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↓	AT	4	Flock, S. et al., "Osmotic Effectors and DNA Structure: Effect of Glycine on Precipitation of DNA by Multivalent Cations." <i>J. Biomol. Struct. &amp; Dynam.</i> 13:87-102, Adenine Press (1995).		
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Tuleu				8/23/2002	
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0942.480002/RWE/ALSAPPLICATION NO.  
09/829,068APPLICANT  
Nisson et al.FILING DATE  
April 10, 2001GROUP  
1656

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## FOREIGN PATENT DOCUMENTS

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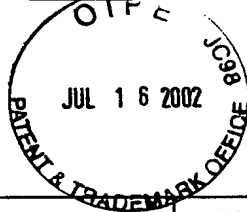
	AR	<u>5</u>	Flock, S. et al., "Dielectric Constant and Ionic Strength Effects on DNA Precipitation," <i>Biophys. J.</i> 70:1456-1465, Biophysical Society (March 1996).
	AS	<u>5</u>	Flock, S. et al., " <sup>23</sup> Na NMR Study of the Effect of Organic Osmolytes on DNA Counterion Atmosphere," <i>Biophys. J.</i> 71:1519-1529, Biophysical Society (September 1996).
	AT	<u>5</u>	Frackman, S. et al., "Betaine and DMSO: Enhancing Agents for PCR," <i>Promega Notes</i> 65:27-29, Promega Corporation (February 1998).

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ATTY. DOCKET NO. 0942.4800002/RWE/ALS  
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GROUP 1658  
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U.S. PATENT DOCUMENTS

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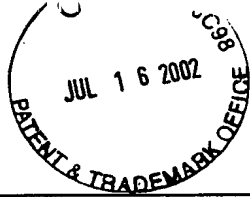
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>6</u>	Gouesbet, G. et al., "Characterization of the <i>Erwinia chrysanthemi</i> Osmoprotectant Transporter Gene ousA," <i>J. Bacteriol.</i> 178:447-455, American Society for Microbiology (January 1996).
	AS	<u>6</u>	Hengen, P.N., "Optimizing multiplex and LA-PCR with betaine," <i>Trends Biochem. Sci.</i> 22:225-226, Elsevier Science Ltd. (June 1997).
	AT	<u>6</u>	Henke, W. et al., "Betaine improves the PCR amplification of GC-rich DNA sequences," <i>Nucl. Acids Res.</i> 25:3957-3958, Oxford University Press (October 1997)

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FORM PTO-1449		ATTY. DOCKET NO. 0942.4800002/RWE/ALS		APPLICATION NO. 09/827,008	
INFORMATION DISCLOSURE STATEMENT		APPLICANT Nisson et al.		GROUP 1656	
		FILING DATE April 10, 2001		JUL 22 2002	
<b>U.S. PATENT DOCUMENTS</b>					
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	AM				Yes No
	AN				Yes No
	AO				Yes No
	AP				Yes No
<b>OTHER (Including Author, Title, Date, Pertinent Pages, etc.)</b>					
	AR	7	Hogrefe, H. et al., "Novel PCR Enhancing Factor Improves Performance of Pfu DNA Polymerase," <i>Stratagene Strategies</i> 10:93-96, Stratagene (August 1997).		
	AS	7	Houssier, C. et al., "Effects of Compensatory Solutes on DNA and Chromatin Structural Organization in Solution," <i>Comp. Biochem. Physiol.</i> 117A:313-318, Elsevier Science Inc. (July 1997).		
	AT	7	Iakobashvili, R. and Lapidot, A., "Low temperature cycled PCR protocol for Klenow fragment of DNA polymerase I in the presence of proline," <i>Nucl. Acids Res.</i> 27: 1566-1568, Oxford University Press (March 1999).		
EXAMINER				DATE CONSIDERED 8/23/2002	
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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0942.4800002/RWE/ALS	APPLICATION NO. 09/829,066
	APPLICANT Nisson et al.	
	FILING DATE April 10, 2001	GROUP 1634 TECH CENTER 1600/2900


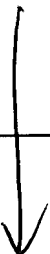
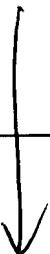
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## FOREIGN PATENT DOCUMENTS

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	8	Jakob, R. and Saenger, W., "Reversed-phase ion-pair chromatographic separation of ribulose 1,5-bisphosphate from 3-phosphoglycerate and its application as a new enzyme assay for RuBP carboxylase/oxygenase," <i>FEBS Lett.</i> 183:111-114, Elsevier Science Publishers B.V. (Biomedical Division) (1985).
	AS	8	Kondakova, N.V. et al., "Effect of Low-molecular Amines on DNA Conformation and Stability of Double Helix," <i>Molekulyarnaya Biologiya</i> 9:742-745, Maik Nauka/Interperiodica Publishing (1975).
	AT	8	English Language Translation for Document AS8, Kondakova, N.V. et al., "Effect of Low-molecular Amines on the Conformation and Stability of the DNA Double Helix," <i>Molekulyarnaya Biologiya</i> 9:742-746, Plenum Publishing Corporation (1975).

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Nisson et al.FILING DATE  
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	9	Landre, P.A. et al., "The Use of Cosolvents to Enhance Amplification by the Polymerase Chain Reaction," in <i>PCR Strategies</i> , Innis, M.A. et al., eds., Academic Press, Inc., San Diego, California, pp. 3-16 (1995).
	AS	9	Le Rudulier, D. et al., "Molecular Biology of Osmoregulation," <i>Science</i> 224:1064-1068, American Association for the Advancement of Science (1984).
	AT	9	Li, C.-J. et al., "Nonprotein Amino Acids from Seeds of <i>Cycas circinalis</i> and <i>Phaseolus vulgaris</i> ," <i>Phytochem.</i> 42:443-445, Elsevier Science Ltd. (May 1996).

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0942.4800002/RWE/ALS	APPLICATION NO. 09/829,066
	APPLICANT Nisson et al.	
	FILING DATE April 10, 2001	GROUP 1634
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U.S. PATENT DOCUMENTS

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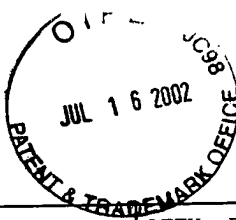
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	10	Malin, G. and Lapidot, A., "Induction of Synthesis of Tetrahydropyrimidine Derivatives in <i>Streptomyces</i> Strains and Their Effect on <i>Escherichia coli</i> in Response to Osmotic and Heat Stress," <i>J. Bacteriol.</i> 178:385-395, American Society for Microbiology (January 1996).
	AS	10	Marquet, R. and Houssier, C., "Thermodynamics of Cation-Induced DNA Condensation," <i>J. Biomol. Struct. &amp; Dynam.</i> 9:159-167, Adenine Press (1991).
	AT	10	Mytelka, D.S. and Chamberlin, M.J., "Analysis and suppression of DNA polymerase pauses associated with a trinucleotide consensus," <i>Nucleic Acids Res.</i> 24:2774-2781, Oxford University Press (July 1996).

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0942.4800002/RWE/ALSAPPLICATION NO.  
09/821,066**RECEIVED**APPLICANT  
Nisson et al.FILING DATE  
April 10, 2001GROUP  
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>11</u>	Panaccio, M. et al., "FoLT PCR: A Simple PCR Protocol for Amplifying DNA Directly from Whole Blood," <i>BioTechniques</i> 14:238-243, Eaton Publishing Company (1993).
	AS	<u>11</u>	Rafferty, J.A. and Fletcher, H.L., "Sequence Analysis of a Family of Highly Repeated DNA Units in <i>Stauroderus scalaris</i> (Orthoptera)," <i>Int. J. Genome Res.</i> 1:1-16, World Scientific Publishing Company (1992).
	AT	<u>11</u>	Rajendrakumar, C.S.V. et al., "DNA helix destabilization by proline and betaine: possible role in the salinity tolerance process," <i>FEBS Lett.</i> 410:201-205, Federation of European Biochemical Societies (June 1997).

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FORM PTO-1449

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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>12</u>	Randall, K. et al., "Accumulation of natural and synthetic betaines by a mammalian renal cell line," <i>Biochem. Cell Biol.</i> 74:283-287, National Research Council Canada (April 1996).
	AS	<u>12</u>	Randall, K. et al., "Natural and syntheic betaines counter the effects of high NaCl and urea concentrations," <i>Biochim. Biophys. Acta</i> 1291:189-194, Elsevier Science B.V. (December 1996).
	AT	<u>12</u>	Rees, W.A. et al., "Betaine Can Eliminate the Base Pair Composition Dependence of DNA Melting," <i>Biochemistry</i> 32:137-144, American Chemical Society (1993).

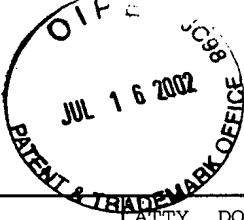
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		APPLICANT Nisson et al.		GROUP 1656	
		FILING DATE April 10, 2001		JUL 22 2002 1034	
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<b>FOREIGN PATENT DOCUMENTS</b>					
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS SUB- CLASS
	AL				Yes No
	AM				Yes No
	AN				Yes No
	AO				Yes No
	AP				Yes No
<b>OTHER (Including Author, Title, Date, Pertinent Pages, etc.)</b>					
	AR	13	Shepard, A.R. and Rae, J.L., "Magnetic bead capture of cDNAs from double-stranded plasmid cDNA libraries," <i>Nucleic Acids Res.</i> 25:3183-3185, Oxford University Press (August 1997).		
	AS	13	Solomons, T.W.G., "Organic Chemistry, 5th Edition", John Wiley & Sons, Inc., New York, N.Y., page 1094 (1992).		
	AT	13	Urdea, M.S., "Branched DNA Signal Amplification," <i>Bio/Technology</i> 12:926, 928, Nature Publishing Company (1994).		
EXAMINER				DATE CONSIDERED 8/23/2002	
<b>EXAMINER:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.					



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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0942.4800002/RWE/ALS	APPLICATION NO. 09/829,066
	JUL 22 2002	
	APPLICANT Nisson et al.	TECH CENTER 1600/2900
	FILING DATE April 10, 2001	GROSS 1656




## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	14	Varadaraj, K. and Skinner, D.M., "Denaturants or cosolvents improve the specificity of PCR amplification of a G+C-rich DNA using genetically engineered DNA polymerases," <i>Gene</i> 140:1-5, Elsevier Science B.V. (1994).
	AS	14	Weissensteiner, T. and Lanchbury, J.S., "Strategy for Controlling Preferential Amplification and Avoiding False Negatives in PCR Typing," <i>BioTechniques</i> 21:1102-1108, Eaton Publishing Co. (December 1996).
	AT	14	Woodford, K. et al., "The use of K <sup>+</sup> -free buffers eliminates a common cause of premature chain termination in PCR and PCR sequencing," <i>Nucl. Acids Res.</i> 23:539, Oxford University Press (1995).

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8/23/2002

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FORM PTO-1449  
INFORMATION DISCLOSURE STATEMENTPATENT DOCKET NO.  
0942.4800002/RWE/ALSAPPLICATION NO.  
09/829,066APPLICANT  
Nissan et al.

JUL 22 2002

FILING DATE  
April 10, 2001GROUP  
1634

TECH CENTER 1600/2000

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

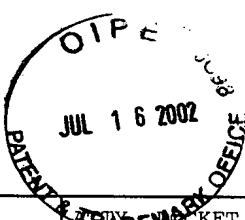
	AR	15	Bioactive Peptides, 1993 Sigma Chemical Company Catalogue, St. Louis, MO, pp. 1028-1034.
	AS	15	Instruction Manual for "GeneTrapper™ cDNA Positive Selection System," Catalog No. 10356-020, GIBCO BRL, Life Technologies, Gaithersburg, MD (July 1996).
	AT	15	Life Technologies product catalogue and reference guide, 1995, page 19-10 and 19-12.

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	TRADEMARK NO. 0942.4800002/RWE/ALS	APPLICATION NO. 09/829,066
	APPLICANT Nissan et al.	
	FILING DATE April 10, 2001	GROUP 1656
	JUL 22 2002 TECH CENTER 1600/2900	

U.S. PATENT DOCUMENTS

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>16</u>	Dialog File 351, Derwent WPI Accession No. 95-329356/199543, English language abstract for German Patent No. 4411588.
	AS	<u>16</u>	Dialog File 351, Derwent WPI Accession No. 96-021044/199603, English language abstract for German Patent No. 4411594.
	AT	<u>16</u>	

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